

# Data Sheet

## Fujitsu CELSIUS H770 Workstations

### Mobile Workstation Meets Security

If you are looking for workstation power on-the-go packed in a 39.6 cm (15.6-inch) stylish form factor, then the FUJITSU CELSIUS H770 mobile workstation is the right choice. Its port replicator is compatible with seven LIFEBOOK devices and thus ideal for a shared desk environment. Maximum data security is guaranteed by the unique PalmSecure™ technology.

#### Mobile Workstation Meets Security

When true workstation performance meets the elegant style of a laptop

- Choose between Intel® Core™ processors or powerful Intel® Xeon processor® E3-1500M family supporting ECC memory
- Support of Windows 10 Pro
- UHD/4k and Full HD LED anti-glare displays
- Up to 64 GB DDR4 2400 MHz memory (ECC optional)
- M.2 SSDs PCIe NVMe technology supports quick loading of core applications

#### Full connectivity and worry-free docking experience

No compromise in terms of port connectivities, regardless of whether you are away, in a meeting or at your desk

- USB Type-C™ connector offering more speed (40 Gbps), more protocols (including Thunderbolt 3) and charging capabilities (power delivery of 15W)
- Full monitor connectivity support: 1x VGA and 1x DisplayPort (full size)
- 1 port replicator shared across 8 mobile devices: Notebooks, Ultrabook™, 2 in 1 and mobile workstations

#### Maximum Security

Data security and peace of mind

- Optional PalmSecure™, a leading-edge highly secure authentication system using biometric technology that authenticates users through vein pattern recognition
- Optional fingerprint sensor
- Integrated SmartCard reader
- TPM 2.0 and Advanced Theft Protection



# Components

<b>Base unit</b>	CELSIUS H770
<b>Operating systems</b>	
<b>Operating system pre-installed</b>	Windows 10 Pro
<b>Operating system compatible</b>	Windows 10 Pro
<b>Operating system notes</b>	Certified for SUSE Enterprise Desktop
	Intel® Xeon® processor E3-1535M v6 (3.1 GHz, up to 4.2 GHz, 8 MB, Intel® HD Graphics P630)
	Intel® Xeon® processor E3-1505M v6 (3.0 GHz, up to 4.0 GHz, 8 MB, Intel® HD Graphics P630)
	Intel® Core™ i7-7920HQ processor (3.1 GHz, up to 4.1 GHz, 8 GB, Intel® HD Graphics 630)
	Intel® Core™ i7-7820HQ processor (2.9 GHz, up to 3.9 GHz, 8 GB, Intel® HD Graphics 630)
	Intel® Core™ i7-7700HQ processor (2.8 GHz, up to 3.8 GHz, 6 MB, Intel® HD Graphics 630)
<b>Memory modules</b>	
	8 GB (2 module(s) 4 GB) DDR4, 2,400 MT/s, SO DIMM
	16 GB (2 module(s) 8 GB) DDR4, 2,400 MT/s, SO DIMM
	16 GB (2 module(s) 8 GB) DDR4, ECC, 2,400 MT/s, SO DIMM
	32 GB (2 module(s) 16 GB) DDR4, 2,400 MT/s, SO DIMM
	32 GB (2 module(s) 16 GB) DDR4, ECC, 2,400 MT/s, SO DIMM
<b>Hard disk drives (internal)</b>	
	SSD SATA III, 1024 GB, 2.5-inch, SED
	SSD SATA III, 512 GB, 2.5-inch, SED
	SSD SATA III, 256 GB, 2.5-inch, SED
	SSD SATA III, 5,400 rpm, 1000 GB
	SSD SATA III, 5,400 rpm, 500 GB
	PCIe-SSD, 512 GB, M.2 module, SED
<b>Hard disk drives (internal)</b>	
	PCIe-SSD, 256 GB, M.2 module, SED
	SSD SATA, 1024 GB, M.2 module, SED
<b>Hard disk drives (internal)</b>	
	SSD SATA, 512 GB, M.2 module, SED
	SSD SATA, 256 GB, M.2 module, SED
<b>Hard disk notes</b>	One Gigabyte equals one billion bytes, when referring to hard disk drive capacity. Accessible capacity may vary, also depending on used software.
<b>Modular bay options</b>	
	2nd battery
	Blu-ray Disc™ Triple Writer
	DVD Super Multi
	Weight saver
<b>Interface add on cards/components (optional)</b>	
	Sierra Wireless AirPrime® EM7305 LTE/HSPA+ (LTE/UMTS module)
<b>WLAN (optional)</b>	
	Intel® Dual Band Wireless-AC8265 11ac with integrated Bluetooth 4.2 Import and usage according to country-specific regulations.
	2 Dual Band WLAN antennas, 2 UMTS antennas
<b>Display</b>	
	39.6 cm (15.6-inch), LED backlit, (UHD/4K), Anti-glare IPS display, magnesium, 3,840 x 2,160 pixel, min. 700:1, typ. 300 cd/m <sup>2</sup> , 85/85/85
	39.6 cm (15.6-inch), LED backlit, (Full HD), Anti-glare IPS display, magnesium, 1,920 x 1,080 pixel, min. 700:1, typ. 300 cd/m <sup>2</sup> , 85/85/85
	39.6 cm (15.6-inch), LED backlit, (Full HD), Anti-glare IPS display, magnesium, 1,920 x 1,080 pixel
<b>Camera</b>	Optional: Built-in webcam, 2.0 megapixel
<b>Microphone</b>	2x digital (optional)

# Base unit

Base unit	CELSIUS H770
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## Mainboard

Chipset	Intel® QM175 or CM238 (depending on CPU)
Supported capacity RAM (min.)	8 GB
Supported capacity RAM (max.)	64 GB
Memory slots	4 SO DIMM (DDR4, 2133 MHz)
LAN	10/100/1,000 MBit/s Intel® I219LM
BIOS features	InsydeH20 Bios
Audio type	On board
Audio codec	Realtek ALC255 with MaxxAudio
Audio features	Stereo speakers, 2 digital microphones
MIL-STD tested	Yes, selected MIL-STD-810G tests passed. MIL-STD-810G test results are not a guarantee of future performance under identified test conditions. Accidental damage is not covered under standard international limited warranty.

## Display

Display notes	ISO 9241-307 - Pixel class II - anti-glare level UHD - Viewing angle: Left/Right/Top/Bottom 80°min.; Color Gammut: 72%; Brightness: 300cd/m <sup>2</sup> ; Contrast Ratio: 700 typ. FHD premium - Viewing angle: Left/Right/Top/Bottom 80°min.; Color Gammut: 72%; Brightness: 300cd/m <sup>2</sup> ; Contrast Ratio: 700 typ. FHD - Viewing angle: Left/Right/Top/Bottom 80°min.; Color Gammut: 45%; Brightness: 250cd/m <sup>2</sup> ; Contrast Ratio: 700 typ.
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## Graphics

Base unit	CELSIUS H770
Graphics brand name	NVIDIA® Quadro® M2200, NVIDIA® Quadro® M1200, NVIDIA® Quadro® M620
Graphics features	NVIDIA® Quadro® M2200: 4GB (1024 CUDA Cores) NVIDIA® Quadro® M1200: 4GB (640 CUDA Cores) NVIDIA® Quadro® M620: 2GB (512 CUDA Cores)

## Interfaces

DC-in	1
Audio: line-in / microphone	1
Audio: line-out	1
Internal microphones	2 digital array microphones
USB 2.0 total	1
USB 3.1 Gen1 (USB 3.0) total	2
USB Type-C	1 (USB 3.1 Gen2 (10 Gbps), Thunderbolt 3 (20/40Gbps), Power Delivery (15W), DP 1.2)
VGA	1
DisplayPort	1
Ethernet (RJ-45)	1
SmartCard slot	1
SIM card slot	1
Multicardreader	1 (SD/SDHC) SD/microSD = 2GB, SDHC/micro SDHC = 32GB, SDXC = 64GB
Interface Module notes	1x Kensington Lock support, 1x Docking connector

## Port Replicator interfaces (optional)

DC-in	1 (19V)
Power on switch	1
Audio: headphone	1
Audio: microphone	1

**Port Replicator interfaces (optional)**

USB 3.1 Gen1 (USB 3.0) total	4
DisplayPort	2 - 1 DP (next to DVI) is shared with DVI, works when DVI not connected
VGA	1
DVI	1 - shared with DP (next to DVI) - works when DP (next to DVI) not connected
Ethernet (RJ-45)	1 (10/100/1000)
Kensington Lock support	1 (Portrep & System)
eSATA	1
Notes	Port replicator supports 0-Watts functionality

**Keyboard**

Touchpad with three mouse buttons

**Input devices (optional)**

TouchStick

**Fast IDE/Ultra DMA-100**

SATA RAID support	0,1
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**Power supply**

AC adapter	19 V / 150 W (7.89 A)
Rated voltage range	100 V - 240 V (AC Input)
Rated frequency range	50 Hz - 60 Hz
Runtime 1st battery	up to 11 hours
Runtime 1st + 2nd battery	up to 14 hours

**Dimensions / Weight / Environmental**

Dimensions (W x D x H)	380.0 x 257.0 x 24.8-31.9 mm w/o bump / with rubber feet 35.0 mm 14.96 x 10.12 x 0.98-1.26 inch w/o bump / with rubber feet 1.38 inch
Weight	2.75 kg
Weight (lbs)	6.1 lbs
Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	5 - 35 °C (41 - 95 °F)
Operating relative humidity	20 - 80 % (relative humidity, non-condensing)

**Compliance**

Product	CELSIUS H770
Europe	CE Marking
USA/Canada	cULus FCC Class B part 15C/E + 22 + 24 (depending on wireless configuration)
Global	RoHS (EU & China) Medical EMC standard IEC60601-1-2 in combination with medical kit ENERGY STAR® 6.1 (dedicated regions)
Compliance link	<a href="https://sp.ts.fujitsu.com/sites/certificates">https://sp.ts.fujitsu.com/sites/certificates</a>

**Additional Software**

Additional software (preinstalled)	Adobe® Reader® (pdf reader) McAfee® LiveSafe™ (provides award-winning antivirus protection for your PC and much more. 30 days trial pre-installed) Fujitsu Display Manager EasyGuide online user documentation Power Saving Utility ShockSensor Utility SmartAccess Fujitsu Plugfree Network (network management utility) Intel® SBA (manageability suite for local administration) DTS® Sound Enhance Software Fujitsu Application Button Utility Fujitsu DeskUpdate (driver and utility tool) Microsoft Office (1 month trial for new Microsoft® Office 365 customers. Buy Microsoft Office.)
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**Additional Software**

<b>Additional software (optional)</b>	Drivers & Utilities DVD (DUDVD) LTE / UMTS Connection Manager (if configured with 4G/LTE or 3G/UMTS)
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**Manageability**

<b>Manageability technology</b>	DeskUpdate Driver management PXE 2.1 Boot code Wake up from S5 (off mode) iAMT 11.0 (depending on processor) Intel® vPro™ technology WoL (Wake on LAN)
<b>Manageability software</b>	DeskView Client DeskView Instant BIOS Management DeskView Integration for Symantec Management Platform
<b>DeskView components</b>	Inventory Management BIOS Management Driver Management Security Management Alarm Management
<b>Supported standards</b>	WMI PXE BootP (made4you)
<b>Manageability link</b>	<a href="http://www.fujitsu.com/fts/solutions/high-tech/dynamic-infrastructure/solutions/workplace/manageability/feature-finder.html">http://www.fujitsu.com/fts/solutions/high-tech/dynamic-infrastructure/solutions/workplace/manageability/feature-finder.html</a>

**Security**

<b>Physical Security</b>	Kensington Lock support
<b>System and BIOS Security</b>	Advanced Theft Protection Computrace® enabled BIOS EraseDisk (optional) Write protect option for the Flash EPROM Trusted Platform Module (TPM 2.0)
<b>User Security</b>	Embedded fingerprint sensor (optional) Embedded PalmSecure™ sensor (optional) Separate SmartCard slot Hard disk password User and supervisor BIOS password Preboot Authentication with SystemLock 3

**Warranty**

<b>Warranty period</b>	3 years (depending on country)
<b>Warranty type</b>	Bring-in Service / Collect & Return Service (depending on country)

**Product Support Services - the perfect extension**

<b>Recommended Service</b>	9x5, Onsite Response Time: Next Business Day
<b>Spare Parts availability</b>	5 years after end of product life

## Recommended Accessories

Port Replicator for LIFEBOOK T7,  
E5, E7 Series and CELSIUS H730,  
H760



Flexibility, expandability, desktop replacement, investment protection – to name just a few benefits of Fujitsu's docking options.

Order Code:  
S26391-F1337-L109

**Port Replicator for LIFEBOOK T7, E5, E7 Series and CELSIUS H730, H760**



Flexibility, expandability, desktop replacement, investment protection – to name just a few benefits of Fujitsu’s docking options.

Order Code:  
S26391-F1337-L110

**Prestige Trolley 17**



The FUJITSU Prestige Trolley 17 protects and transports notebooks with up to 17 inch screens, along with clothes and toiletries. It is the perfect companion in a city environment or for overnight stays with four spacious compartments. Smooth running wheels and a telescopic handle ensure convenience, while the central section protects your notebook with shock-absorbing foam.

Order Code:  
S26391-F1194-L130

**Display P27-8 TS Pro**



If you’re a pixel, color and performance-hungry professional using demanding applications, the FUJITSU P27-8 TS Pro Display is the perfect choice. The display provides outstanding picture performance thanks to cutting-edge panel technology and 3.7 Mio pixels. It also boasts unique and innovative features such as our patent-applied Presence Sensor technology and USB support during standby.

Order Code:  
S26361-K1594-V160

**Display B34-9 UE**



The FUJITSU Display B34-9 UE is an ultrawide curved display with 3440 x 1440 resolution with a thin bezel housing. The monitor has a 1900R curvature and a wide viewing angle that delivers consistent picture quality, DisplayView™ software and a range of connectivity options ideal for medium- and large-sized businesses.

Order Code:  
S26361-K1642-V140

**Blue LED Mouse GL9000**



Blue LED Mouse GL9000 comes in a slim design with proven Fujitsu engineering quality. The state-of-the-art blue LED sensor enables ultra precise switchable resolution at 1,000, 1,500 and 2,000 dpi. Blue LED Mouse GL9000 makes your life easier because it’s tailor-made for right handed users. It just feels great in your hand.

Order Code:  
S26381-K438-L100

**SpaceMouse™ Pro**



Using the SpaceMouse™ Pro 3D mouse to navigate 3D models or environments is as simple as holding them in your hand. A slight movement of the controller cap delivers easy and precise control. SpaceMouse™ Pro is a companion to the traditional mouse and is operated with the free hand. Your traditional mouse hand is free to select, create and edit.

Order Code:  
S26381-K459-L100

# More information

In addition to Fujitsu CELSIUS H770, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

## Dynamic Infrastructures

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

## Computing Products

[www.fujitsu.com/global/products/computing/](http://www.fujitsu.com/global/products/computing/)

## Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

## More information

Learn more about the FUJITSU Workstation CELSIUS H770, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.  
<http://ts.fujitsu.com>

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